

ABSTRACT OF THE DISCLOSURE

A program control apparatus ensuring real time response by ensuring execution of a process exclusively without locking the system includes a unit responsive to an application program interface call from a thread which interface requesting start of detection of presence/absence of a context switching, for setting a flag indicating presence/absence of a context switching to a state corresponding to absence of a context switching, a unit for setting, after said flag is set to the state corresponding to absence of a context switching and a scheduler switches context, the flag to a state corresponding to presence of a context switching, and a unit responsive to an application program interface call from the thread, which interface requesting termination of detection of presence/absence of a context switching, returning a value corresponding to the state of the flag to the thread.